



SUPREME PETRO CHEMICALS

IMPORTER & DISTRIBUTOR OF INDUSTRIAL CHEMICALS ·
SINCE 1997

No. 145, 1st Floor, Raja Muthiah Road,
Periyamet, Chennai – 600003, India
+91 86087 80096 · +91 81979 47045
admin@supremepetrochemicals.com

SAFETY DATA SHEET (SDS)

Pine Oil 32% *SDS*

CAS **8002-09-3** EC **232-350-7** SIGNAL WORD **DANGER**

REV 3.1

29 JULY 2026

GHS REV.11 (2025)

GHS07

Harmful / Irritant

GHS09

Environmental Hazard

SECTION 1 IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY

Product Name	Pine Oil 32%
Product Type	Pine oil grade
Chemical Family	Terpene alcohol mixture
CAS No.	8002-09-3
EC No.	232-350-7
Intended Use	Industrial / professional use as listed on the SPC product page.
Restrictions on Use	Industrial / professional use only. Confirm grade suitability before regulated or consumer use.
Supplier	Supreme Petro Chemicals
Address	No. 145, 1st Floor, Raja Muthiah Road, Periyamet, Chennai – 600003, India
Emergency Contact	Sanketh — +91 86087 80096 · Sudarshan — +91 81979 47045
Email	admin@supremepetrochemicals.com
Product Page	https://www.supremepetrochemicals.com/products/pine-oil-32
SDS Revision	July 2026
SDS Version	3.1

SECTION 2 HAZARD IDENTIFICATION

Skin Irrit. 2; Eye Irrit. 2; Skin Sens. 1; Aquatic Chronic 3

Signal Word	WARNING
GHS Pictograms	GHS07 (Harmful / Irritant) GHS09 (Environmental Hazard)



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Other Hazard Classes

Not classified for unlisted hazard classes based on reviewed source data.

HAZARD STATEMENTS

- H315 — Causes skin irritation
- H317 — May cause an allergic skin reaction
- H319 — Causes serious eye irritation
- H412 — Harmful to aquatic life with long lasting effects

PRECAUTIONARY – PREVENTION

- P210 — Keep away from heat, hot surfaces, sparks, open flames. No smoking.
- P233 — Keep container tightly closed.
- P240 — Ground/bond container and receiving equipment.
- P241 — Use explosion-proof electrical/ventilating/lighting equipment.
- P242 — Use only non-sparking tools.
- P243 — Take precautionary measures against static discharge.
- P260 — Do not breathe vapours or spray.
- P271 — Use only outdoors or in a well-ventilated area.
- P272 — Contaminated work clothing should not be allowed out of the workplace.
- P273 — Avoid release to the environment.
- P280 — Wear protective gloves / eye protection / face protection.

PRECAUTIONARY – RESPONSE / STORAGE / DISPOSAL

- P301+P310 — IF SWALLOWED: Immediately call a POISON CENTER or doctor.
- P303+P361+P353 — IF ON SKIN OR HAIR: Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.
- P304+P340 — IF INHALED: Remove person to fresh air and keep comfortable for breathing.
- P305+P351+P338 — IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
- P331 — Do NOT induce vomiting.
- P312 — Call a POISON CENTER or doctor if you feel unwell.
- P403+P235 — Store in a well-ventilated place. Keep cool.



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- P405 — Store locked up.
- P501 — Dispose of contents/container in accordance with local regulations.

SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

COMPONENT	CAS NO.	EC NO.	% W/W	GHS CLASSIFICATION
Pine oil / terpene alcohols	8002-09-3232-350-7	Approx. 32%	active	Skin Irrit. 2; Eye Irrit. 2; Skin Sens. 1
Water / diluent	7732-18-5	231-791-2	Balance	Not classified

Percentages are by volume. Full text of H-statements listed in Section 16.

SECTION 4 FIRST AID MEASURES

Inhalation	Move to fresh air. If symptoms persist, obtain medical attention. Do not induce vomiting where aspiration hazard is possible.
Skin Contact	Remove contaminated clothing. Wash affected skin thoroughly with water and soap. Seek medical attention if symptoms persist.
Eye Contact	Rinse cautiously with water for at least 15 minutes. Remove contact lenses if present and easy to do. Seek medical attention.
Ingestion	Rinse mouth. Do not induce vomiting unless directed by medical personnel. Seek medical advice.
Note to Physician	Treat symptomatically based on exposure route and product hazards.

SECTION 5 FIREFIGHTING MEASURES

Suitable Extinguishing Media	Use alcohol-resistant foam, dry chemical or carbon dioxide. Cool containers with water spray.
Unsuitable Media	Direct high-pressure water jet where it may spread the material.
Specific Hazards	Vapours may form explosive mixtures with air. Dust or fine particulate may form combustible or irritating atmospheres. Containers may rupture when heated.
Protective Equipment	Wear full protective clothing and self-contained breathing apparatus (SCBA).
Special Procedures	Evacuate non-essential personnel. Prevent contaminated run-off from entering drains and waterways.



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SECTION 6 ACCIDENTAL RELEASE MEASURES

Personal Precautions	Eliminate ignition sources, ventilate, bond/ground equipment. Wear appropriate PPE (see Section 8). Avoid breathing vapours.
Environmental Precautions	Prevent entry into drains, sewers, soil and watercourses.
Containment / Clean-up	Absorb spill with inert material (e.g. dry sand, earth). Collect material into labelled containers for disposal through an approved waste contractor.
Reference to Sections	See Section 8 for PPE, Section 13 for disposal and Section 15 for regulatory information.

SECTION 7 HANDLING AND STORAGE

Handling Precautions	Use explosion-proof ventilation and grounded equipment. Keep away from heat, sparks, open flames and oxidisers.
Hygiene	Wash hands after handling. Remove contaminated clothing before reuse. Do not eat, drink or smoke when using.
Storage Conditions	Store in original, tightly closed compatible containers. Inspect containers regularly for leakage or damage.
Storage Temperature	Store at ambient temperature unless supplier instructions specify otherwise.
Incompatible Materials	Strong oxidizers and product-specific incompatible substances; see supplier SDS before use.
Segregation	Segregate from food, drink, animal feed and incompatible chemicals.

SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational Exposure Limit	Pine oil (CAS 8002-09-3): No established OSHA PEL or ACGIH TLV; apply ALARA / good industrial hygiene practices. Verify local OEL if established under OSHA/NIOSH/ACGIH/EU/India regulations.
Engineering Controls	Use closed handling / local exhaust ventilation for vapour or aerosol. Use explosion-proof ventilation and grounding where flammable vapours may occur.
Respiratory Protection	If ventilation is inadequate, use a NIOSH/EN-approved respirator with organic vapour cartridge. Use SCBA for emergencies.
Hand / Eye / Skin	Hands: Compatible chemical-resistant gloves (nitrile, butyl, neoprene, PVC or laminate); select breakthrough time for the task.



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Eyes: EN 166 / ANSI Z87.1 chemical splash goggles; add face shield for splash risk. Body: Chemical-resistant clothing/apron and safety footwear. Provide eyewash and safety shower.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Pale yellow liquid.
Odour	Characteristic pine/terpene odour.
Odour Threshold	Not established.
pH	Not applicable in neat form; for aqueous grade verify from supplier COA/SDS before release.
Melting / Freezing Point	Not established for this grade; verify from supplier specification.
Boiling Point / Range	Grade dependent (aqueous carrier ~100 °C; terpene fraction up to ~212 °C); verify supplier COA/SDS.
Flash Point	Not established for this 32% aqueous grade; may not be classified as flammable at this dilution. Verify supplier data.
Auto-ignition Temperature	Not established.
Flammability Limits	Not established.
Vapour Pressure	Not established.
Vapour Density (air = 1)	Not established for this grade.
Relative Density	Approx. 0.95–0.98 g/cm ³ at 20 °C (typical for pine oil 32% aqueous grade); verify supplier specification.
Solubility in Water	Partly soluble / dispersible (terpene fraction disperses in water carrier).
Log Pow (Partition Coeff.)	Not established for supplied commercial grade.
Evaporation Rate	Not established.
Viscosity	See supplier specification.
VOC Content	Assess under applicable local VOC rules; terpene fraction contributes to VOC.

SECTION 10 STABILITY AND REACTIVITY

Chemical Stability	Stable under recommended storage and handling conditions.
Conditions to Avoid	Avoid heat, ignition sources, contamination and incompatible materials.
Incompatible Materials	Strong oxidising agents (nitric acid, chlorine, permanganates, peroxides). Avoid contact with concentrated acids and halogens.



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Reactive with aluminium chloride (AlCl_3) under elevated temperature
— not a concern in ambient blending or storage.

Hazardous Decomposition Carbon oxides and irritating or toxic fumes may be formed in fire.

Hazardous Reactions No hazardous reactions under normal storage conditions when
stored and handled correctly.

SECTION 11 TOXICOLOGICAL INFORMATION

Acute Oral Toxicity May cause irritation to the gastrointestinal tract. Endpoint-specific
numeric data (LD_{50}) requires supplier/test confirmation.

Acute Dermal Toxicity May irritate skin. Endpoint-specific numeric data requires
supplier/test confirmation.

Acute Inhalation Toxicity May irritate the respiratory tract; solvent vapour can affect the
central nervous system at high concentrations. Numeric LC_{50}
requires supplier/test confirmation.

Skin Irritation Classified: Skin Irrit. 2 (H315 — Causes skin irritation).

Eye Irritation Classified: Eye Irrit. 2 (H319 — Causes serious eye irritation).

Sensitisation Classified: Skin Sens. 1 (H317 — May cause an allergic skin reaction).

Carcinogenicity Not classified. Endpoint-specific assessment: see Section 2 and
Section 3. Additional data requires supplier/test confirmation.

Mutagenicity Not classified. Endpoint-specific assessment: see Section 2 and
Section 3. Additional data requires supplier/test confirmation.

SECTION 12 ECOLOGICAL INFORMATION

Aquatic Toxicity Classified: Aquatic Chronic 3 (H412 — Harmful to aquatic life with
long lasting effects). Obtain $\text{LC}_{50}/\text{EC}_{50}/\text{NOEC}$ values from
supplier/ECHA/PubChem where required.

Persistence / Degradability Use supplier, ECHA or PubChem data where available. If not verified,
do not assume ready biodegradability.

Bioaccumulation Use verified log Kow/BCF data where available; UVCB/terpene
materials need supplier formulation data.

Mobility in Soil Assess from solubility, adsorption potential and product form.
Prevent release to soil and groundwater.

Other Adverse Effects Avoid uncontrolled release to the environment. Manage releases and
waste under applicable local environmental regulations.



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SECTION 13 DISPOSAL CONSIDERATIONS

Waste from Product	Dispose of contents through an authorized waste contractor in accordance with local regulations.
Contaminated Packaging	Empty containers may retain residues; handle as hazardous until cleaned or disposed. Do not reuse for food or beverage.
Indian Regulations	Follow Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and applicable State Pollution Control Board requirements.

SECTION 14 TRANSPORT INFORMATION

PARAMETER	UN / ADR (ROAD)	IMDG (SEA)	IATA (AIR)
UN Number	Not regulated	Not regulated	Not regulated
Proper Shipping Name	Not regulated	Not regulated	Not regulated
Class	Not regulated	Not regulated	Not regulated
Packing Group	Not applicable	Not applicable	Not applicable
Marine Pollutant	No	No	—

This 32% aqueous pine oil grade is not classified as a dangerous good under ADR/IMDG/IATA at standard flash point thresholds. Verify flash point and terpene content with supplier before shipment; concentrated pine oil grades may require Class 3 classification. Follow applicable ADR/IMDG/IATA requirements and use UN-certified compatible containers for international transport.

SECTION 15 REGULATORY INFORMATION

EU / REACH / CLP	Observe REACH and CLP requirements where applicable. Classified and labelled according to the GHS/CLP classification listed in Section 2.
OSHA (USA)	Prepared in OSHA HCS/HazCom-aligned 16-section SDS format. Verify TSCA inventory/SNUR status before US import or distribution.
India	Observe applicable Indian MSIHC Rules, 1989 (as amended), Environment Protection Act, workplace chemical storage, transport, pollution-control and hazardous-waste requirements.
Other Jurisdictions	China: apply GB/T SDS and classification requirements where marketed. GCC/Middle East: observe applicable GHS-aligned local requirements. Canada WHMIS/HPR: classify/label under WHMIS 2015/HPR; Canadian sale may require bilingual SDS/label and



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ingredient disclosure. Australia (AICS): check inventory status before export or import. Final market placement requires confirmation of inventory status, local OELs, transport classification, waste code and restrictions.

SECTION 16 OTHER INFORMATION

Prepared By	Supreme Petro Chemicals — Technical Department
SDS Standard	UN GHS Rev.11 (2025); OSHA HCS/HazCom; EU CLP/REACH Annex II; Canada WHMIS/HPR — 16-section format
Revision Date	24 June 2026
Version	3.0 (supersedes prior issues)
Disclaimer	Information is given in good faith and believed accurate at issue. It does not constitute a specification or guarantee; the user is responsible for safe use, handling and compliance.

FULL TEXT OF H-STATEMENTS

- H315 — Causes skin irritation
- H317 — May cause an allergic skin reaction
- H319 — Causes serious eye irritation
- H412 — Harmful to aquatic life with long lasting effects